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ADMIN9195R.W20
OPERATIONS SUPPORT
Adhesives
Cigarette Monitoring
Materials Evaluation
Customer Complaints-T/o/S
Flavor Dev/Analytical Sup
Marlboro Standardization
Alt Humectants/Preserv
Micro Quality Improv
Monogram Inks
Packaging - Inks & Solvents
Semiworks Support
Burley Spray/Dry Flavors
Flavor Specs/Certs
ETS Studies
Entomological Support
Project Warhol
Engineering Stud/Methods
Recon Sheet Certification
Cooperative Leaf Studies
Environmental Issues
PROJECT TOMORROM
OPTICAL PROCESSING
NEW EXPANSION PROCESS
CAST LEAF RCB PROCESS
PROJECT ART
Art Sup of Current proc
Art Process Development
Art Total
PROJECT SIGMA
TSNA
LBA
                                                                                                                                                                                                                                                                                                                                                                                          1991
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     PROJECT SIGMA
TSNA
LBA
REDUCED SS/PAPER TECH
PROJECT AMBROSIA/ASH TRAY ODOR
PROJECT PACT
LOW TAR/HIGH FLAVOR
FILTER RESEARCH:
Domestic
International
DOMESTIC PRODUCT DEVELOPMENT
INTERNATIONAL PRODUCT SUPPORT:
PH USA
PH PI
PROJECT NATURAL
INGREDIENTS
MENTHOL
REDUCED TAR 6 NICOTINE INTL
SELECTIVE FILTRATION
NEW PACKAGING CONCEPTS:
PROCESS DEV STUDIES
COMBUSTION RESEARCH
MASS BUTH CONTROl
PYTOLYSIS TEMP CONTROl
FILAVORS
THERMAL FLAVOR Release
Flavor Formation Studies
             TSNA
                              Thermal Flavor Release
Flavor Formation Studies
     Thermal Flavor Release
Flavor Formation Studies
Fragrances
Volatile Flavors
ARROSOLS
Formation Mechanisms
a Short Lived Aerosols
SELECTIVE SEPARATIONS
Supercritical Technology
Membrane Separation
CONSUMER TESTING RESEARCH
Regression Based Mod of Lik
Stochastic Discrimination Mod
Cost/Benefit Eval
Quant Mod of Market Dynamics
CHEMICAL SENSES
Electrophysiological Stud
Trigeminal Stud
Odor Panel
Flav Response/ Chm Aspects
Struct-Act Relationships
MEAS 4 SENS OF PHY 4 CHM CHAR
Process Control Sys
BIOLOGICAL
Biosonwersion
Antibodies
Biosensors
COMPUTING SYSTEMS
               Antibodies
Biosensors
COMPUTING SYSTEMS
Expert Sys & Neural Net
Optical Computing
BASIC AMALYTICAL RESEARCH
                 New Project 1:
New Project 2
New Project 3
New Project 4
New Project 5
                 Total Support
Total Direct
Total Direct & Support
                                                                                                                                                                                                                                                                                                                                                                                                                                                               29.00
0.00
29.00
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ARD9195R.W20	1991	1992	1993	1994	1995
OPERATIONS SUPPORT Adhesives	2.00	4.00	4.00	3.00	3.00
Cigarette Monitoring Materials Evaluation	3.50	3.50	3.00	3.00	3.00
Customer Complaints-T/O/S	1.00	1.00	1.00	1.00	1.00
Flavor Dev/Analytical Sup Harlboro Standardization	1.00	1.00	1.00	1.00	1.00
Alt Humectants/Preserv	1.00	2.00	1.00	1.00	2.00
Micro Quality Improv Monogram Inks					
Packaging - Inks 4 Solvents	1.00	1.00	1.00	1.00	2.00
Semiworks Support Burley Spray/Dry Flavors					
Flavor Specs/Certs	1.50	0.50	0.50	0.50	0.50
ETS Studies Entomological Support	1.00 1.00	1.00	1.50 0.50	0.50	1.50 0.50
Project Warhol					
Engineering Stud/Methods Recon Sheet Certification	2.50	2.50	2.50	2.50	2.50
Cooperative Leaf Studies	1.50	1.50	1.50	1.50	1.50
Environmental Issues PROJECT TOMORROW	4.50 1.00	5.00 2.00	5.50 2.00	6.00 3.00	7.50
OPTICAL PROCESSING					
NEW EXPANSION PROCESS CAST LEAF RCB PROCESS	2.00	3.00 2.00	3.00 2.50	2.50 2.50	2.00
PROJECT ART					
Art Sup of Current proc Art Process Development	3.00 4.00	0.00 3.00	0.00 2.50	0.00 2.00	1.00
Art Total	2 00		5.00	6.00	6.00
PROJECT BETA PROJECT SIGNA	2.00	3.00	3.00	6.00	6.00
tsna Lba	0.50	0.50 0.50	1.00 0.50	0.50 0.50	0.50
REDUCED SS/PAPER TECH	6.50	6.00	5.50	5.50	5.50
PROJECT AMBROSIA/ASH TRAY ODOR PROJECT PACT	2.00	2.50	2.50	1.00	0.00
LOW TAR/HIGH FLAVOR	1.00	1.00	1.50	1.50	1.50
FILTER RESEARCH Domestic	0.50	0.50	0.50	0.50	0.50
International					
DOMESTIC PRODUCT DEVELOPMENT INTERNATIONAL PRODUCT SUPPORT	1.00	1.00	1.00	1.00	1.00
PM USA	1.50	1.50	1.50	1.50	1.50
PM PI PROJECT NATURAL					
Ingredients Menthol					
REDUCED TAR & NICOTINE INTL					
SELECTIVE FILTRATION NEW PACKAGING CONCEPTS	1.50	1.50	1.00	1.00	1.00
PROCESS DEV STUDIES					
COMBUSTION RESEARCH Mass Burn Control		0.00	0.00	0.00	0.00
Pyrolysis Temp Control		1.00	1.00	1.00	1.00
FLAVORS Thermal Flavor Release	0.50	1.00	1.00	1.00	1.00
Flavor Formation Studies					
Fragrances Volatile Flavors					
AEROSOLS Formation Mechanisms					
Short Lived Aerosols					
SELECTIVE SEPARATIONS	2.00	3.00	3.00	3.00	4.00
Supercritical Technology Membrane Separation		5.50	2		****
CONSUMER TESTING RESEARCH Regression Based Mod of Lik					
Stochastic Discrimination Mod					
Cost/Benefit Eval Quant Hod of Harket Dynamics					
CHEMICAL SENSES	•				
Electrophysiological Stud Trigeminal Stud					
Odor Panel					
Room Odor Panel Flav Response/ Chm Aspects	0.50	1.00	2.00	2.50	3.00
Struct-Act Relationships MEAS & SENS OF PHY & CHM CHAR					
Process Control Sys	1.00	1.00	1.00	1.00	1.00
BIOLOGICAL Bioconversion	1.00	1.00	1.00	1.00	1.00
Antibodies				0.50	1.00
Biosensors COMPUTING SYSTEMS				0.30	1.00
Expert Sys & Neural Net Optical Computing					
BASIC AMALYTICAL RESEARCH	2.00	2.00	2.00	2.50	3.00
New Project 1					
New Project 2					
New Project 3 New Project 4					
New Project 5					
Total Support	1.00	1.00	1.00	1.00	1.00
Total Direct Total Direct & Support	57.00 58.00	60.00 61.00	63.00 64.00	63.00 64.00	
Authorized total	58.00				

BCR9195R.W20 OPERATIONS SUPPORT	1991:	1992	1993	1994	1995
Adhesives Cigarette Monitoring:					
Materials Evaluation					
Customer Complaints-T/O/S Flavor Dev/Analytical Sup					
Marlboro Standardization Alt Humectants/Preserv	1.25	0.00	0.00	0.00	0.00
Micro Quality Improv/Tob Micro Monogram Inks	4.10	6.00		7.00	7.00
Packaging - Inks & Solvents					
Semiworks Support Burley Spray/Dry Flavors					
Flavor Specs/Certs ETS Studies					
Entomological Support	4.30	3.20	3.20	3.20	3.20
Project Warhol Engineering Stud/Methods	0.00	0.00	0.00	0.00	0.00
Recon Sheet Certification Cooperative Leaf Studies					
Environmental Issues PROJECT TOMORROW	1.00	1.50	1.50	2.20	2.20
OPTICAL PROCESSING					
NEW EXPANSION PROCESS CAST LEAF RCB PROCESS					
PROJECT ART: Art Sup of Current proc	0.25	0.00	0.00	0.00	0.00
Art Process Development	0.4	0.50	0.50	0.00	0.00
Art Total PROJECT BETA			1.00	1.00	1.00
Project Sigma Tsna	18.40	17.85	12.60	10.40	11.40
LBA REDUCED SS/PAPER TECH	10.40	9.00	9.00	12.00	12.00
PROJECT AMBROSIA/ASH TRAY ODOR	0.10	0.10	0.00	0.00	0.00
PROJECT: PACT: LOW TAR/HIGH FLAVOR	1.50	1.00	0.50	0.50	0.50
FILTER RESEARCH: Domestic:					
International DOMESTIC PRODUCT DEVELOPMENT					•
INTERNATIONAL PRODUCT SUPPORT					
PH USA PH PI					
PROJECT NATURAL INGREDIENTS	0.20	0.50	0.70	0.70	0.70
MENTHOL		0.00	0.,,0		
REDUCED TAR & NICOTINE INTLESELECTIVE FILTRATION					
NEW PACKAGING CONCEPTS PROCESS DEV STUDIES					
COMBUSTION RESEARCH Hass Burn Control					
Pyrolysis Temp Control					
FLAVORS Thermal Flavor Release					
Flavor Formation Studies Fragrances					
Volatile Flavors					
Formation Mechanisms					
Short Lived Aerosols SELECTIVE SEPARATIONS					
Supercritical Technology Membrane Separation	0.40	0.10	0.00	0.00	0.00
CONSUMER TESTING RESEARCH					
Regression Based Mod of Lik Stochastic Discrimination Mod					
Cost/Benefit Eval Quant Mod of Market Dynamics					
CHEMICAL SENSES Electrophysiological Stud	0.60	1.00	1.00	1.00	1.00
Trigeminal Stud	0.25	0.75	1.00	1.00	1.00
Room Odor Panel					
Flav Response/ Chm Aspects Struct-Act Relationships	0.20	0.50		1.00	1.00
MEAS & SENS OF PHY & CHM CHAR Process Control Sys					
BIOLOGICAL Bioconversion	2.20	2.00	1.00	1.00	1.00
Antibodies	0.70	1.00	1.00	1.00	1.00
Biosensors COMPUTING SYSTEMS	1.30	2.00	3.00	3.00	3.00
Expert Sys & Neural Net Optical Computing					
BASIC AMALYTICAL RÉSEARCH	1.35	2.00	2.00	2.00	2.00
Plant Tissue Culture New Project 1	0.00	0.00	0.00	0.00	0.00
Biochemical Processing New Project 3			1.00	2.00	2.00
New Project 3 New Project 4 New Project 5					
Total Support	0.00	0.00	0.00	0.00	0.00
Total Direct	50.00 50.00		52.00 52.00	53.00	54.00
Total Direct & Support Allocated Total	50.00				

CAD9195R.W20 OPERATIONS SUPPORT Adhasives Cigarette Monitoring Materials Evaluation Customer Complaints-T/O/S Flavor Dev/Analytical Sup Marlboro Standardization Alt Humectants/Freserv Micro Quality Improv Monogram Inks	1991:	1992	1993	1994	1995
Packaging - Inks & Solvents Semiworks Support Burley Spray/Dry Flavors Flavor Specs/Certs ETS Studies Entomological Support Project Warhol Engineering Stud/Methods Recon Sheet Certification Cooperative Leaf Studies					
Environmental Issues PROJECT TOMORROW OPTICAL PROCESSING	0.20	0.20	0.20	0.20	0.20
NEW EXPANSION PROCESS CAST LEAF RCB PROCESS	0.20	0.20	0.20	0.20	0.20
PROJECT ART Art Sup of Current proc	0.20	0.20	0.20	0.20	0.20
Art Process Development Art Total PROJECT BETA	0.40	0.40	0.40	0.40	0.40
PROJECT SIGMA TSNA				*****	
LBA REDUCED SS/PAPER TECH PROJECT AMBROSIA/ASH TRAY ODOR	0.20	0.20	0.20	0.20	0.20
PROJECT PACT LOW TAR/HIGH FLAVOR: FILTER RESEARCH					
Domestic International	0.20	0.20	0.20	0.20	0.20
DOMESTIC PRODUCT DEVELOPMENT INTERNATIONAL PRODUCT SUPPORT	0.30	0.30	0.30	0.30	0.30
PM USA: PM PI	0.30	0.30	0.30	0.30	0.30
PROJECT MATURAL INGREDIENTS MENTHOL REDUCED TAR 4 NICOTINE INTL SELECTIVE FILTRATION NEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH Mass Burn Control Fyrolysis Temp Control Flavors Thermal Flavor Release Flavor Formation Studies Fragrances Volatile Flavors AEROSOLS Formation Mechanisms Short Lived Aerosols SELECTIVE, SEPARATIONS SUPERCIPTICAL SUPERCIPTICAL REGRESSON EASEMANTONS CONSUMER TESTING RESEARCH Regression Based Mod of Lik Stochastic Discrimination Mod Cost/Benefit Eval	1.00	1-00	1.00	1.00	1.00
Cuant Mod of Market Dynamics CHEMICAL SENSES Electrophysiological Stud Trigeminal Stud Odor Panel Room Odor Panel Flav Response/ Chm Aspects Struct-Act Relationships MEAS & SENS OF PHY & CHM CHAR Process Control Sys BIOLOGICAL Bioconversion Antibodies & Biosensors COMPUTING SYSTEMS Expert Sys & Neural Net Optical Computing BASIC ANALYTICAL RESEARCH New Project 1 New Project 1 New Project 2 New Project 3 New Project 4 New Project 4 New Project 5	2.00	2.00	2.06	2.00	2.00
	28.00	20 00	20 00	28 00	20 00
Total Support Total Direct Total Direct & Support Allocated Total	5.00 33.00 33.00	28.00 5.00 33.00	5.00 33.00	28.00 5.00 33.00	28.00 5.00 33.00

CHM9195R.W20 OPERATIONS SUPPORT	1991	1992	1993	1994	1995
Adhesives					
Cigarette Monitoring Materials Evaluation	0.05	0.05	0.05	0.05	0.05
Customer Complaints-T/O/S	0.03	0.03	0.03	V.03	0.03
Flavor Dev/Analytical Sup					
Marlboro Standardization Alt Humectants/Preserv					
Micro Quality Improv					
Monogram Inks Packaging - Inks & Solvents					
Semiworks Support					
Burley Spray/Dry Flavors Flavor Specs/Certs					
ETS Studies					
Entomological Support Project Warhol					
Engineering Stud/Methods					
Recon Sheet Certification Cooperative Leaf Studies	0.50	0.50	0.50	0.50	0.50
Environmental Issues		1.00	1.00	2.00	3.00
PROJECT: TOMORROW OPTICAL PROCESSING	0.35	0.35	0.35	0.35	0.35
NEW EXPANSION PROCESS					
CAST LEAF RCB PROCESS PROJECT: ART					
Art Sup of Current proc	1.05	0.00	0.00	0.00	0.00
Art Process Development Art Total	1.05	1.05	1.05	1.05	1.05
PROJECT BETA	0.10	0.10	0.10	0.10	0.10
PROJECT SIGMA TSNA	0.10	0.10	0.10	0.10	0.10
LBA	0.10	0.10	0.10	0.10	0.10
REDUCED SS/PAPER TECH PROJECT AMBROSIA/ASH TRAY ODOR	13.00 2.10	2.10	12.00 2.10	11.00	0.00
PROJECT AMBROSIA/ASH TRAY ODOR PROJECT PACT					
LOW TAR/HIGH: FLAVOR FILTER: RESEARCH	0.95	0.95	0195	0.95	0.95
Domestic	0.05	1.10	1.10	1.10	1.10
International: DOMESTIC PRODUCT DEVELOPMENT					
INTERNATIONAL PRODUCT SUPPORT					
PM USA PM PI	0.20	0.20	0.20	0.20	0.20
PROJECT NATURAL					
INGREDIENTS MENTHOL	0.90	0.90	0.90	0.90	0.90
REDUCED TAR & MICOTINE INTL					
SELECTIVE FILTRATION NEW PACKAGING CONCEPTS		1.00	1.00	1.00	2.00
PROCESS DEV STUDIES					
COMBUSTION RESEARCH: Mass Burn Control	0.10	0.10	0.10	0.10	0.10
Pyrolysis Temp Control		1.00	1.00	1.00	1.10
FLAVORS Thermal Flavor Release	1.60	1.60	1.60	1.60	1.60
Flavor Formation Studies	0.20	0.20	0.20	0.20	0.20
Fragrances Volatile Flavors	0.20 0.40	0.20	0.20	0.20	0.20
AEROSOLS					
Formation Mechanisms Short Lived Aerosols	1.35	1.35	1.35	1.35	1.35
SELECTIVE SEPARATIONS					
Supercritical Technology Membrane Separation	0.45	0.45	0.45	0.45	0.45
CONSUMER TESTING RESEARCH					
Regression Based Mod of Lik Stochastic Discrimination Mod					
Cost/Benefit Eval					
Quant Mod of Market Dynamics CHEMICAL SENSES					
Electrophysiological Stud	0.00	0.00	0.00	0.00	0.00
Trigeminal Stud Odor Panel	0.40	0.40	0.40	0.40	0.40
Room Odor Panel					
Flav Response/ Chm Aspects Struct-Act Relationships				1.00	1.00
MEAS & SENS OF PHY & CHN CHAR					
Process Control Sys BIOLOGICAL					
Biocénversion	0.05 0.05	0.05	0.05	0.05	0.05 0.05
Antibodies Biosensors	0.03	0.03	0.03	0.03	V. U.
COMPUTING SYSTEMS Expert Sys & Neural Net					
Optical Computing					
BASIC ANALYTICAL RÉSEARCH					
New Project 1					
New Project 2 New Project 3					
New Project 4					
New Project 5					
Total Support	2.70	2.70	2.70	2.70	2.70 28.30
Total Direct Total Direct & Support	25.30 28.00	27.30 30.00	27.30 30.00	28.30 31.00	31.00
	20 00				

1991 1992 1993- 1994 1995	0.50 0.50 0.50 0.50 0.50 0.50 0.25 0.25	0.25 0.25 0.25 0.25 0.25			1.00 1.00 1.00 1.00 2.00 2.00 2.00		1.00 0.50 0.50 0.50 0.50	0.25 0.25 0.25 0.50 0.50	2.00 1.00 1.00	4:00- 3,75 5,50 5,50 8,00	15.00 15.00 15.00 15.00 15.00	1 0610	0.50 0.75 1.00 0.50 0.50												00.0 00.0 00.0 00.0
CIGDEV9195R.W20 OPERATIONS SUPPORT	Adhesives Claratte Monitoring Materials Evaluation Customer Complaints-T/O/S	Flavor Dev/Analytical Sup Harboro Standardization Alt Humactants/Freaerv Micro Quality Improv	Monogram Inks Packaging - Inks & Solvents Semiworks Support Burley Spray/Dry Flavors Flavor Spees/Carts ETS Studies	Entomological Support Project Marhol Engineering Stud/Methods Recon Sheet Certification	Cooperative Leaf Studies Environmental Issues PROJECT TOMORROW	OFTICAL PROCESSING NEW EXPANSION PROCESS CAST LEAF RCB PROCESS PROJECT ART.	Art Sup of Current proc Art Process Development Art Total PROJECT BETA PROJECT SIGNA	TSNA LBA REDUCED SS/PAPER TECH	PROJECT AMBROSIA/ASH: TRAY ODOR PROJECT PACT: LOW: TAR/HIGH FLAVOR	FILTER RESEARCH DOMESTIC INTERNATIONAL DOMESTIC PRODUCT DEVELOPMENT	INTERNATIONAL PRODUCT SUPPORT PN USA PN PI	PROJECT: MATURAL INGREDIENTS	MENTAL SECOND A MICCOLLE INTL SELECTUR FILTRATION HER PACKAGING CONCERTS PROCESS DEV STUDIES COMBUSTION RESEARCH MASS BUIN CONTRO! PATOLYSIS Temp CONTRO! FLAVORS Thermal Flavor Relasse. Flavor Pormation Studies	Fragrances Volatile Flavors AEROGOIS	Formation Mechanisms Short Lived Aerosols SELECTIVE SERVATIONS	Supercratical reconology Membrane Separation CONSUMER PESTING RESEARCH Describes Beach Med of 18	Acchastic Discrimination Mod Cost/Denefit Eval Count Mod of Market Dynamics	CHEMICAL SENSES Electrophysiological Stud Trigeminal Stud	Odor Panel Room Odor Panel Flav Response/ Chm Aspects	Struct-Act Relationships MEAS & SENS OF PHY & CHM CHAR Process Control Sys	Bioconversion Antibodies 4:	COMPUTIONS SYSTEMS COMPUTION SYSTEMS EXPERT SYS & Neural Net Optical Computing	BASIC ANALYTICAL RESEARCH	New Project 1 New Project 2 New Project 3 New Project 4 New Project 5	Total Support

CIGTEC9195.W20 OPERATIONS SUPPORT Adhesives	1991	1992	1993	1994	1995
Cigarette Monitoring Materials Evaluation Customer Complaints-T/O/S Flavor Dev/Analytical Sup Harlboro Standardization Alt Humectants/Preserv Micro Quality Improv	0.00 0.70	0.00 0.70	0.80 0.70	0.00 0.70	0.00 0.70
Monogram Inks Packaging - Inks 6 Solvents Semiworks Support Burley Spray/Dry Flavors Flavor Specs/Certs ETS Studies Entomological Support Project Warhol Engineering Stud/Methods Recon Sheet Certification	2.75	2.75	2.50	2.50	2:50
Cooperative Leaf Studies Environmental Issues PROJECT TOMORROW OFTICAL PROCESSING NEW EXPANSION PROCESS CAST LEAF RCB PROCESS	1.25	1.50	1.50	1.50	1.50
PROJECT ART Art Sup of Current proc Art Process Development Art Total	0.25	0.25	0.00	0.00	0.00
PROJECT BETA PROJECT SIGHA TSNA LBA	0.10	0.00	0.00	0.00	0.00
REDUCED SS/PAPER TECH: PROJECT AMBROSIA/ASH TRAY ODOR PROJECT PACT	11.25	12.25	12.75	12.75	12.75
LOW TAR/HIGH FLAVOR FILTER RESEARCH	1.00	1.00	1.00	1.00	1.00
Domestic International	3.00 1.50	3.00 1.50	3.00 1.50	3.00 1.50	3.00 1.50
DOMESTIC: PRODUCT DEVELOPMENT INTERNATIONAL PRODUCT SUPPORT:	1.75	2.00	2.00 1.75	2.00 1.75	1.75
PM:USA PM:PI PROJECT MATURAL	1.50	1.75	1.75	1.75	1.75
INGREDIENTS HENTHOL	0.30	0.30	0.30	0.30	0.30
REDUCED TAR & NICOTINE INTL SELECTIVE FILTRATION	0.50	0.50	0.50	0.50	0.50
NEW PACKACING CONCEPTS PROCESS DEV STUDIES (FILTER) COMBUSTION RESEARCH Mass Burn Control Pyrolysis Temp Control	0.20 1.10	0.20 1.10	0.20 1.10	0.20 1.10	0.20 1.10
FLAVORS Thermal Flavor Release Flavor Formation Studies Fragrances Volatile Flavors AEROSOLS	0.25	0,25	0.25	0.25	0.25
Formation Mechanisms § Short Lived Aerosols SELECTIVE SEPARATIONS SUpercritical Technology Hembrane Separation CONSUMER TESTING RESEARCH Regression Based Med of Lix Stochastic Discrimination Med Cost/Benefit Eval Quant Med of Market Dynamics	0.20	0.20	0.20	0.20	0.20
CHEMICAL SENSES Electrophysiological Stud Trigominal Stud Odor Fanel Room Odor Fanel Flav Response/ Chm Aspects Struct-Act Relationships					
MEAS & SEMS OF PHY & CHM CHAR Process Control Sys BIOLOGICAL BLOOGEVERSION Antibodies BLOOMEDOTS COMPUTING SYSTEMS EXPERT Sys & Neural Net Optical Computing BASIC AMALYTICAL RESEARCH					
PROCESS PLANT SUPPORT New Project 2 New Project 3 New Project 4 New Project 5					
Total Support Total Birect Total Birect & Support Allocated Total	0.00 29.00 29.00 29.00	0.00 31.00 31.00 31.00	0.00 31.00 31.00 31.00	0.00 31.00 31.00 31.00	0.00 31.00 31.00 31.00

CTSD9195R.W20 OPERATIONS SUPPORT	1991 0.00	1992	1993	1994 0.00	1995 0.00	
Adhesives						
Cigarette Monitoring Materials Evaluation	0.50	0.50	0.50	0.50	0.50	
Customer Complaints-T/O/S						
Flavor Dev/Analytical Sup- Marlboro Standardization	3.00	3.00	3.00	3.00	3.00	
Alt Humectants/Preserv						
Micro Quality Improv Monogram Inks						
Packaging - Inks & Solvents Semiworks Support	2.00	2.00	2.00	2.00	2.00	
Burley Spray/Dry Flavors	2.00	2.00	2.00		2100	
Flavor Specs/Certs ETS Studies						
Entomological Support						
Project Warhol Engineering Stud/Hethods	0.50	0.50	0.50	0.50	0.50	
Recon Sheet Certification						
Cooperative Leaf Studies Environmental Issues		1.00	1.00	1.00	1.00	
PROJECT TOMORROW. OPTICAL PROCESSING	0.50	0.50	0.50	0.50	0.50	
NEW EXPANSION PROCESS						
CAST LEAF RCB PROCESS PROJECT ART	0.50	1.00	0.00	1.00 0.00	1.00 0.00	
Art Sup of Current proc	1.00	0.00	0.00	0.00	0.00	
Art Process Development Art Total						
PROJECT BETA						
PROJECT SIGMA TSNA						
LBA REDUCED SS/PAPER TECH						
PROJECT AMBROSIA/ASH TRAY ODOR						
PROJECT: PACT: LOW TAR/HIGH: FLAVOR:	0.50	0.00	0.00	0.00	0.00	
FILTER RESEARCH						
Domestic International	0.50	0.50	0.50	0.50	0.50	
DOMESTIC PRODUCT DEVELOPMENT INTERNATIONAL PRODUCT SUPPORT	14.00	14.00	14.00	14.00	14.00	
PM USA:	2.00	2.00	2.00	2.00	2.00	
PM PI PROJECT NATURAL	22.00	22.00	22.00	22.00	22.00	
INGREDIENTS						
MENTHOL REDUCED TAR 4 NICOTINE INTL	0.50 0.50	0.50	0.50	0.50 0.50	0.50	
SELECTIVE FILTRATION	*****	****			••••	
NEW PACKAGING CONCEPTS PROCESS DEV. STUDIES						
COMBUSTION RESEARCH						
Mass Burn Control Pyrolysis Temp Control						
FLAVORS						
Thermal Flavor Release Flavor Formation Studies						
Fragrances Volatile Flavors						
Aerosols						
Formation Mechanisms Short Lived Agrosols						
Short Lived Aerosols SELECTIVE SEPARATIONS						
Supercritical Technology Membrane Separation						
CONSUMER TESTING RESEARCH Regression Based Mod of Lik						
Stochastic Discrimination Mod						
Cost/Benefit Eval: Quant Mod of Market Dynamics						
CHEMICAL SENSES						
Electrophysiological Stud Trigominal Stud						
Odor Panel Room Odor Panel						
Flav Response/ Chm Aspects		•				
Struct-Act Relationships MEAS & SENS OF PHY & CHM CHAR						
Process Control Sys BIOLOGICAL						
Bioconversion						
Antibodies Biosensors						
COMPUTING SYSTEMS						
Expert Sys & Neural Net Optical Computing						
BASIC AMALYTICAL RESEARCH						
New Project 1						
New Project 2 New Project 3						
New Project 4 New Project 5						
•						
Total Support Total Direct	11.00 26.00	11.00 26.00	11.00 26.00	11.00 26.00	11.00 26.00	
Total Direct & Support	37.00	37.00	37.00	37.00	37.00	
Allocated Total	37.00					

Total Support Total Direct Total Direct 6 Support Allocated Total	New Project 1 New Project 2 New Project 3 New Project 4 New Project 4	Biogeneration Antibodies Biosensors COMPUTING SYSTEMS CHEUTING SYSTEMS CHEUTING SYSTEMS CHEUTING SYSTEMS APPLICAT COMPUTING BASIC ANALYTICAL RESEARCH	Room Odor Fanel Flav Response/ Chm Aspects Struct-Act Relationablps MEAS & SENS OF PHY & CHM CHAR Process Control Sys BIOLOGICAL	Quant Hod of Market Dynamics CHEMICAL SENSIS Electrophysiclogical Stud Trigeminal Stud Odor Panel	Membrane Separation Membrane Separation CONSUMER TESTING RESEARCH Regression Based Mod of Lik Stochastic Discrimination Mod Cost/Benefit Eval	Formation Hechanisms Formation Hechanisms Short Lived Asrosols ELECTIVE SEPARATIONS SUBSTRUCTS 1 Februarion	Thermal Flavor Release Flavor Formation Studies Fragrances Fragrances Volatile Flavors	NEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH Hass Burn Control Pyrolysis Temp Control Fixualysis	PROJECT MATURAL. INGREDIENTS HENTROL REDUCED TAR & NICOTINE INTL	INTERPRETABLIONAL INTERNATIONAL PRODUCT SUPPORT INTERNATIONAL PRODUCT SUPPORT PM USA PM PI	LIBA REDUCED SS/FAPER TECH REDUCED SS/FAPER TECH PROJECT AMBROSIA/ASH TRAY ODOR PROJECT FACT LOW TAN/HIGH FLAVOR: FILMTER RESEARCH Domestic	PROJECT SIGNA TSNA	Art Sup of Current proc Art Process Development	PROJECT THEMPINE OPTICAL PROCESSING NEW EXPANSION PROCESS CAST LEAF RCB PROCESS PROTECT ABY	Entemological support Project Warhol Engineering Stud/Methods Engineering Stud/Methods Cooperative leaf Studies Environmental Issues Environmental Issues	Packaging - Inks & Solvents Semiworks Support Burley Spray/Dry Flavors Flavor Specs/Certs Z75 Studies	Atterials Evaluation Customer Complaints-T/O/S Flavor Dev/Analytical Sup- Marlboro Standardization Alt Humestants/Framerv Micro Quality Improv	9195R.W20 10MS SUPPORT
16.50 9.50 26.00 26.00									1.20		0.40	1.7	1.1	0.20	•			1991
17.90 9.10 26.00									1.20		0.00	0.70	1.10	0.50	; }			1992
26.00 0.00 26.00																		1993
26.00 26.00																		1994
26.00 0,00 26.00																		1995
•																		

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DEC/ADMIN
DERATIONS SUPPORT
Adhesives
Cigarete Honitoring
Haterials Evaluation
Customer Complaints-T/o/S
Flavor Dev/Analytical Sup
Harlboro Standardization
Alt Hussectants/Freserv
Hicro Quality Improv
Honogram Inks
Packaging - Inks & Solvents
Semiworks Support
Burley Spray/Dry Flavors
Flavor Specs/Certs
ETS Studies
Entomological Support
Project Narhol
Engineering Stud/Methods
Recon Sheet Certification
Cooperative Leaf Studies
Environmental Issues
PROJECT TOMOROM
OPTICAL PROCESSING
NEW EXPANSION PROCESS
CAST LEAF RCB PROCESS
PROJECT ART
Art Sup of Current proc
Art Process Development
Art Total
PROJECT SIGMA
TSNA.
LBA
REDUCED SS/PAPER TECH
        EXEC/ADMIN:
OPERATIONS SUPPORT
                                                                                                                                                                                                                                                              1991
                                                                                                                                                                                                                                                                                                          1992
                                                                                                                                                                                                                                                                                                                                                          1993
                                                                                                                                                                                                                                                                                                                                                                                                       1994
           REDUCED SS/PAPER TECH:
PROJECT AMBROSIA/ASH TRAY ODOR
PROJECT PACT:
LOW TAR/HIGH FLAVOR
          LOW TAN/HIGH FLAVOR
FILTER RESEARCH:
Domestic
International
DOMESTIC PRODUCT DEVELOPMENT
INTERNATIONAL PRODUCT SUPPORT
            PH USA
PH PI
PROJECT NATURAL
INGREDIENTS
          INGREDIENTS
MENTHOL
REDUCED TAR & NICOTINE INTL
SELECTIVE FILTRATION
NEW PACKAGING COMCEPTS
PROCESS DEV STUDIES
COMBUSTION RESEARCH
Nass Burn Control
Pyvolysis Temp Control
FLAVORS
                      LAVORS
Thermal Flavor Release
Flavor Formation Studies
Fragrances
Volatile Flavors
          AEROSOLS
Formation Mechanisms
Short Lived Aerosols
SELECTIVE SEPARATIONS
SUpercritical Technology
Hembran Separation
CONSUMER TESTING RESEARCH
Regression Based Mod of Lik
Stochastic Discrimination Mod
Cost/Benefit Eval
Quant Mod of Market Dynamics
CHEMICAL SEMSES
Electrophysiological Stud
            AEROSOLS
          CHEMICAL SENSES
Electrophysiological Stud
Trigeminal Stud
Odor Panel
Room Odor Panel
Flav Response/ Chm Aspects
Struct-Act Relationships
MEAS & SENS OF PHY & CHM CHAR
Process Control Sys
BIOLOGICAL
Bioconversion
           BIOLOGICAL
Bioconversion
Antibodies
Biosensors
COMPUTING SYSTEMS
Expert Sys & Neural Net
Optical Computing
BASIC AMALYTICAL RESEARCH
            New Project 1
New Project 2
New Project 3
New Project 4
New Project 5
             Total Support
Total Direct
Total Direct & Support
Allocated Total
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FLADEV9195R.W20 OPERATIONS SUPPORT	1991	1992	1993	1994	1,995
Adhesives Cigarette Monitoring	0.20	0.20	0.20	0.20 0.10	0.20
Materials Evaluation					
Customer Complaints-T/O/S Flavor Dev/Analytical Sup	0.10 0.20	0.10	0.10 1.25	0.10 1.45	0.10 1.45
Harlboro Standardization Alt Humectants/Preserv	1.00	1.00	1.00	1.00 0.10	1.00 0.10
Micro Quality Improv Monogram Inks					
Packaging - Inks & Solvents Semiworks Support	0.20 0.10	0.20	0.35	0.35	0.35
Burley Spray/Dry Flavors Flavor Specs/Certs	0.10	0.10	0.50	0.50	0.50
ETS Studies	0.60	0.60	0.60	0.60	0 : 60
Entomological Support Project Warhol					
Engineering Stud/Methods Recon Sheet Certification	0.00	0.00	0.20	1.00	0.00
Cooperative Leaf Studies Environmental Issues	0.30	0.30	0.50	0.50	0.50
PROJECT TOMORROW OPTICAL PROCESSING	1.25	1.50	1.00	0.50	0.00
NEW EXPANSION PROCESS	0.85	0.60	0.60	0.60	0.60
CAST LEAF RCB PROCESS PROJECT ART	0.70	0.50	0.50	0.10	0.00
Art Sup of Current proc Art Process Development	0.25 1.00	0.25 1.00	0.25 0.50	0.10 0.10	0.10
Art Total: PROJECT BETA	0.25	1.00	1.25	1.25	1.25
PROJECT SIGMA TSNA	0.00	0.00	0.00	0.00	0.00
LBA	0.60	0.25	0.25	0.25	0.25
REDUCED SS/PAPER TECH PROJECT AMBROSIA/ASH TRAY ODOR PROJECT PACT	1.00	0.80	0.50	0.50	0.25
LOW TAR/HIGH FLAVOR	2.35	2.35	3.25	3.00	3.00
FILTER RESEARCH Domestic	0.00	0.30	0.30	0.30	0.30
International DOMESTIC PRODUCT DEVELOPMENT	0.00 4.15	0.00 4.55	0.00 5.05	0.00 5.05	0.00 5.05
INTERNATIONAL PRODUCT SUPPORT PM USA	2.00	3.00	3.00	4.25	5.00
PM PI: PROJECT: NATURAL	2.00 0.20	2.00	2.00		2.00
INGREDIENTS					
MENTHOL REDUCED TAR & NICOTINE INTL	2.00 0.20	2.00 0.20	0.20	2.50 0.00	3.00
SELECTIVE FILTRATION NEW PACKAGING CONCEPTS					
PROCESS DEV STUDIES COMBUSTION RESEARCH					
Mass Burn Control Pyrolysis Temp Control					
FLAVORS Thermal Flavor Release	1.00	1.00	1.00	1.10	1.35
Flavor Formation Studies Fragrances	1.00	1.00	1.00	1.10	1.35
Volátile Flavors	0.45	0.45	0.45	0.75	0.75
AEROSOLS Formation Hechanisms					
Short Lived Aerosols SELECTIVE SEPARATIONS					
Supercritical Technology Hembrane Separation					
CONSUMER TESTING RESEARCH Regression Based Mod of Lik					
Stochastic Discrimination Mod- Cost/Benefit Eval					
Quant Mod of Market Dynamics CHENICAL SENSES					
Electrophysiological Stud Trigeminal Stud					
Odor Panel					
Room Odor Panel Flav Response/ Chm Aspects					
Struct-Act Relationships MEAS & SEMS OF PHY & CHM CHAR					
Process Control Sys BIOLOGICAL					
Biocénversion Antibodies					
Biosensors COMPUTING SYSTEMS					
Expert Sys & Neural Net Optical Computing					
BASIC ANALYTICAL RESEARCH					
PROCESS PLANT SUPPORT	0.40	0.50	0.50	0.50	0.60
New Project 2 New Project 3					
New Project 4 New Project 5					
Total Support	0.00	0.00	0.00	0.00	0.00
Total Direct Total Direct & Support	23.00 23.00	25.00 25.00	27.00 27.00	28.00 28.00	29.00 29.00
Allocated Total	23.00		•		

1992 1993 1994 1995	24.30 25.30 26.30 2.00 1.00 1.00 2.00 2.00 2.00 2.00 2.00 2.00 3.50 1.50 1.50 0.50 0.50 0.50 0.50 0.20 0.20 0.20	0.00 0.00 0.00 28.00 29.00 28.00 30.00 28.00 29.00 29.00 30.00
1661	24.30 2.00 0.50 0.50 0.50	0 0 00 58 00 500 5
PED9195.W20 OPERATIONS SUPPORT Adhesives SUPPORT Adhesives Compaints—7/0/5 Claretes Monitoring Natestals Pralestion Customer Compaints—7/0/5 Clavor Dev/Analytical Sup- MICHO Gaslity Improv MODOTAM INAS PROMET ORALITY Improv MODOTAM INAS Entwonts Support Burlay Spray/Dry Plavors Flavor Speci/Carts Entwonts Support Entwonts Speci/Carts Entwonts Sheet Cartification Cooperative Leaf Studies Environmental Issues PROJECT POMORNOM OFICAL PROCESS CAST IEAF RCB PROCESS CAST IEAF RCB PROCESS CAST IEAF RCB PROCESS CAST IEAF RCB PROCESS ART SUP OF CURTENT PROCEST ART STORMS PROCESS PROJECT ANT ART STORMS PROCESS ART STORMS PROCESS ART STORMS PROCESS PROJECT ANT ART TOWNS PROCESS PROJECT RETA PROJECT NEETHY PROJECT NEETHY ART TOWNS PROCESS PROJECT NEETHY PROJ	CCD SS/P) TRANSCEP PAGE TRANSC	New Project 2 New Project 4 New Project 4 New Project 5 Total Support Total Direct 6 Support Allocated Total

1993 1994 1995.	1.00	5.00 3.00 3.00 5.00 5.00 5.00 5.00 5.00	0 25.00 25.00 20.00 1.00 1.00	0 1.00 1.00 1.00	0 2.00 2.00 3.00	2.00 1.00 2.00 3.00 3.00	00.00	00 52.00 53.00 53.00 52.00 53.00 53.00
1991 1992	8 1	6.50 6.00 6.00 6.00 6.00 6.00	25.0	0.50	0.50 1.00	12.000		49.00 51.00 49.00 51.00 49.00
PHY9195R.WZO OPERATIONS SUPPORT Adhesives Cigarette Monitoring Atternar Complaine=TrO/s Flavor Dev/Ahalytical Sup Marlboro Standardization Att Humeerants/Preserv Micro Quality Improv Monogram Inka	Reckaging - Inte & Solvents Samiworks Support Burley Spray/Dry Flavors Flavor Specs/Certs Errs Studies I Support Erroplect Warhol Engineering Studiesthods Recon Sheet Certification Recon Sheet Certification Froylect Warhol - International Control of Support Froylect Warhol - Engineering Studies Froylect Warhol - Engineering Studies Froylectmental - International -		e	PROJECT AMBROSAN/ASH TANT UDON PROJECT PACT LOW TAN/HIGHT TANON FILTER RESEARCH DOMESTIC PRODUCT DEVELOPMENT INTERNATIONAL PRODUCT SUPPORT PM USA PH PI PROJECT NATURAL INGREDIENTS	MENTIOL REDUCED TAR & NICOTIME INTL SELECTIVE FILTRATION NRW PACKAGING CONCERTS PROCESS DEV STUDIES COMMUSION RESEARCH Mass Burn Control FLAVORS at Temp Control FLAVORS FINO FLAVOR SELASE FLAVOR FORMATION Studies	ARIOSOLS FOURTALLON Mechanisms FOURTALLON Mechanisms Supercritical Technology Membrans Superation Supercritical Technology Membrans Superation CHARLEN Regression based Med of Lik Stochastic Discrimination Mod Cost/Benefit Eval Guart Med of Market Dynamics Glant Med of Market Dynamics Electrophysiological Stud Trigeminal Stud Off Fanal Roces Godor Panal Roces Godor Panal Flay Response/ Cha Aspects Struct-Act Relationships MEAS & SENS OF PHY & CHH CHAR Process Control Bys RICHOGICAL BACCONSTRUS COMPUTING SYSTEMS Expert Sys & Meural Wet Cyclical Compating BASIC AMALYTICAL MESSANCH		Total Direct Total Direct & Support Allocated Total

1 1992 1993 1994 1995	0 0.20 0.20 0.20 0 0.10 0.10 0.20 0.20 0 0.10 0.10 0.10 0.10	0 0.20 0.20 0.20 0.20 0 0.10 0.10 0.10 0.10	0 0.30 0.40 0.50 0.50 0 0.20 0.20 1.20 1.20	0 00.0	0. 0.20 0.20 0.20 0.20 0. 1.00 0.50 0.50 0.30 0. 0.10 0.20 0.00 0. 0.60 0.40 0.20	0. 0.90 0.90 1.00 1.00	0 2.40 2.40 2.40 2.40 0.40 0.80 0 0.30 0.50 0.40 0.80	8.00 8.00 8.00 8.00 8.00 8.00 8.00 8.00
1991	0.10	0.10	0.10		0000	0.90	2 · 60 0 · 30	0000
SIS-TAB195R.W20 OFERATIONS SUPPORT Adhesives	Cigarate Monitoring Materials Evaluation Customer Complaints-T/O/s Flavor Dev/Analytical Sup Mailboro Standardization Mailboro Standardization Micro Quality Improv Monogram Inks Pachaging - Inks & Solvents Semiworks Support	Bulley Spay/Ory Flavors Flavor Space/Certs Ers Studies Ers Studies Erromological Support Project Warhol Endinestring Stud/Wethods Recon Sheet Certification	Cooperative Last Studies Environmental Issues PROJECT TOMORROW OFTICAL PROCESSING MEN EXPANSION PROCESS	CAST LAAF NCESS PROJECT ANT Art Sup of Currant proc. Art Process Development Art Frocess Development PROJECT SIGHA	TSNA LEAN REDUCED SS/PAPER TECH PROJECT PAGROSIA/ASH TRAY ODOR: LOW TAR/HIGH FLAVOR FILTER RESEARCH Domestic	INTERNATIONAL INTERNATIONAL PRODUCT SUPPORT PH USA PH PI P	PROJECT NATURAL INCREDIENTS INCREDIENTS INCREDIENTS INCREDIENTS INCREDIENTS INCREDIENTS CONCUENT FILTRATION INTO PACKAGING CONCRETS PROCESS DEV STUDIES CONGUENTOR RESEARCH PASS BUIT CONTCOL CONSTUDINT EXTING BESEARCH REGITARIAL EXSERANCH REGITARIAL STREET ELECTIONARY EXTENTION CONSTUDINT EXTING PASS BUILD FILE OF PASS BUILD FILE OF PASS BUILD FILE OF PASS BUILD FILE WAS PROSES OF PARK COMM CONTROL FILE OF PASS BUILD FILE OF PASS BUILD FILE OF PASS BUILD FILE OF PASS BUILD FILE OF PASS BUIT CALL RESEARCH MATICAL COMPATICAL RESEARCH NEW PROSES CONTEOL SHOWN PROSES CONTROL BUILD MAINTICAL RESEARCH NEW PROSES CONTROL NEW PROSES CONTROL BUILD MAINTICAL RESEARCH NEW PROSES CONTROL SHOWN PROSES CONTROL SHOWN PROSES CONTROL BUILD MAINTICAL RESEARCH NEW PROSES CONTROL SHOWN PROSES CONTROL BUITT CO	Total Support Total Direct Total Direct & Support Allocated Total

	2		
		0.00	11.00 0.00 11.00
1991		0.00	11.00 0.00 11.00
1992		00.0	11.00
1991		00.0	11.00
		00.0	11.00 0.00 11.00 11.00
TIS9195R.W20 OPERATIONS SUPPORT	A COLOR OF THE PROPERTY OF THE	New Project 1 New Project 2 New Project 4 New Project 4	Total Emport Total Direct Total Direct Allocated Total

TOBFUN9195R.W20	1991	1992	1993	1994	1995
OPERATIONS SUPPORT					
Cigarette Monitoring					
Materials Evaluation Customer Complaints-T/O/S					
Flavor Dev/Analytical Sup					
Marlboro Standardization Alt Humectants/Preserv					
Micro Quality Improv					
Honogram Inks Packaging - Inks & Solvents					
Semiworks Support					
Burley Spray/Dry Flavors Flavor Specs/Certs					
ETS Studies Entomological Support					
Project Warhol					
Engineering Stud/Methods Recon Sheet Certification					
Cooperative Leaf Studies Environmental Issues		1.50	2.00	2.50	2.50
PROJECT TOMORROW		1.00	2.00	3.50	3.50
OPTICAL PROCESSING NEW EXPANSION PROCESS	11.70	8.20	6.20	4.20	4.20
CAST LEAF RCB PROCESS					
PROJECT ART: Art Sup of Current proc					
Art Process Development Art Total					
PROJECT BETA	3.3	3.30	3.30	3.30	3.30
Project Signa TSNA					
LBA REDUCED SS/PAPER TECH					
PROJECT AMBROSIA/ASH TRAY ODOR					
PROJECT PACT LOW TAR/HIGH: FLAVOR					
FILTER RESEARCH					
Domestic International					
DOMESTIC PRODUCT DEVELOPMENT INTERNATIONAL PRODUCT SUPPORT		1.00	1.50	1.50	1.50
PM USA					
PH PI PROJECT NATURAL					
INGREDIENTS					
MENTHOL REDUCED TAR & NICOTINE INTL					
SELECTIVE FILTRATION NEW PACKAGING CONCEPTS					
PROCESS DEV STUDIES	0.00	0.00	0.00	0.00	0.00
COMBUSTION RESEARCH: Mass Burn Control					
Pyrolysis Temp Control FLAVORS					
Thermal Flavor Release					
Flavor Formation Studies Fragrances					
Volatile Flavors AEROSOLS					
Formation Hechanisms					
Short Lived Aerosols SELECTIVE SEPARATIONS					
SUPERCRITICAL Technology					
Membrane Separation CONSUMER TESTING RESEARCH					
Regression Based Hod of Lik Stochastic Discrimination Hod					
Cost/Benefit Eval					
Quant Mod of Market Dynamics CHEMICAL SENSES					
Electrophysiological Stud Trigeminal Stud					
Odor Panel Room Odor Panel					
Flav Response/ Chm Aspects					
Struct-Act Relationships MEAS & SENS OF PHY & CHM CHAR					
Process Control Sys BIOLOGICAL					
Bioconversion					
Antibodies Biosensors					
COMPUTING SYSTEMS					
Expert Sys & Neural Net Optical Computing					
BASIC AMALYTICAL RESEARCH					
New Project 1					
New Project 2 New Project 3					
New Project 4 New Project 5					
-	0.00	0.00	0.00	0.00	0.00
Total Support Total Direct	15.00	15.00	15.00	15.00	15.00
Total Direct & Support Allocated Total	15.00 15.00	15.00	15.00	15.00	15.00

TOBMATL91915.W20 OPERATIONS SUPPORT	1991 19	92 19	93 19	94 19	95
Adhesives Cigarette Monitoring					
Haterials Evaluation Customer Complaints-T/O/S Flavor Dev/Analytical Sup					
Marlboro Standardization Alt Humectants/Preserv					
Micro Quality Improv Monogram Inks					
Packaging - Inks & Solvents Semiworks Support					
Burley Spray/Dry Flavors Flavor Specs/Certs ETS Studies					
Entomological Support Project Warhol					
Engineering Stud/Methods Recon Sheet Certification Cooperative Leaf Studies					
Environmental Issues PROJECT TOMORROW		1.00	2.00	2.00	2.00
OPTICAL PROCESSING NEW EXPANSION PROCESS	7.00 8.40	4.00 15.60	3.00 14.00	1.00 11.20	0.00 10.50
CAST SHEET RCB PROCESS PROJECT ART Art Sup of Current proc	3.20	0.50	0.50	0.00	0.00
Art Process Development Art Total	9.00	10.00	10.00	9.00	4.00
PROJECT BETA PROJECT SIGNA TSNA					
TSNA LBA REDUCED SS/PAPER TECH					
PROJECT AMBROSIA/ASH TRAY ODOR PROJECT PACT	1.80	0.00	0.00	0.00	0.00
LOW TAR/HIGH FLAVOR FILTER RESEARCH Domestic	0.50				
International DOMESTIC PRODUCT DEVELOPMENT	1.00	1.00	1.00	1.00	1.00
INTERNATIONAL PRODUCT SUPPORT PM USA PM PI	0.50	0.00	0.00	0.00 0.50	0.00 0.50
PROJECT NATURAL INGREDIENTS					
MENTHOL REDUCED TAR & NICOTINE INTL	0.50	0.50	0.50	0.50	0.50
SELECTIVE FILTRATION NEW PACKAGING CONCEPTS PROCESS DEV STUDIES					
COMBUSTION RESEARCH MASS Burn Control					
Pyrolysis Temp Control FLAVORS		·			
Thermal Flavor Release Flavor Formation Studies					
Fragrances Volatile Flavors AEROSOLS					
Formation Mechanisms Short Lived Aerosols					
SELECTIVE SEPARATIONS Supercritical Technology Hembrane Separation			1.50	5.00	8.00 4.00
ÇONSUMER TESTING RESEARCH Regression Based Mod of Lik					
Stochastic Discrimination Hod Cost/Benefit Eval- Quant Hod of Market Dynamics		•			
CHEMICAL SENSES Electrophysiological Stud					
Trigeminal Stud Odor Panel					
Room Odor Panel Flav Response/ Chm Aspects Struct-Act Relationships					
MEAS & SENS OF PHY & CHM CHAR. Process Control Sys					
BIOLOGICAL Bioconversion Antibodies					
Biosensors Computing Systems					
Expert Sys 6 Neural Net Optical Computing BASIC ANALYTICAL RESEARCH					
New Project 1	0.00	0.00	0.00	0.00	0.00
New Project 2 New Project 3 Primary Improvement Program	4.00	3.00	2.00	2.30	3.00
Reconstitution Flant Support	2.90	1.90	3.00	4.50	4.50 0.00
Total Support Total Direct Total Direct & Support	0.00 38.00 38.00	0.00 38.00 38.00	0.00 38.00 38.00	0.00 38.00 38.00	38.00 38.00
Allocated Total	38.00				

OPERATIONS SUPPORT	1991	1992	1993	1774	1993
Adhesives	0.40	0.40 0.10	0.40 0.10	0.40	0.40
Cigarette Monitoring Materials Evaluation	0.10 1.20	1.20	1.20	0.10 1.20	0.10 1.20
Customer Complaints-T/O/S					
Flavor Dev/Analytical Sup Marlboro Standardization	1.10	1.10	1.10	1.10	1.10 0.50
Alt Humectants/Preserv	0.20	0120	0.20	0.20	0.20
Micro Quality Improv. Monogram Inks	0.10	0.10	0.10	0.10	0.10
Packaging - Inks & Solvents					
Semiworks Support Burley Spray/Dry Flavors	15.00 0.30		15.00	0.30	15.00 0.30
Flavor Specs/Certs					****
ETS Studies Entomological Support					
Project Warhol					
Engineering Stud/Methods Recon Sheet Certification					
Cooperative Leaf Studies					
Environmental Issues PROJECT TOMORROW	0.10 2.00	0.25 1.00	0.75 0.75	0.75 0.75	0.75 0.75
OPTICAL PROCESSING	0.15	0.30	0.30	0.30	0.30
NEN EXPANSION PROCESS CAST LEAF RCB PROCESS	2.00 1.00	2.00 0.85	1.00	1.00 0.85	1.00 0.85
PROJECT ART					
Art Sup of Current proc	8.70	7.50	5.70	5.70	5.70
Art Process Development Art Total					
PROJECT BETA PROJECT SIGNA	0190	0.80	0.70	0.70	0.70
TSNA	0.50	0.00	0.70	0.70	0,
LBA REDUCED SS/PAPER TECH:	2.95	2.90	2.00	2.00	1.00
PROJECT AMBROSIA/ASH TRAY ODOR	0.20	0.30	0.40	0.40	0.40
PROJECT PACT	0.00			1. 00	1.00.
LOW TAR/HIGH FLAVOR FILTER RESEARCH:	0.80	0.90	1.90 0.00	1.90 0.00	0.00
Domestic	0 . 50	0.70	0.70		0.70
International DOMESTIC PRODUCT DEVELOPMENT	9.80	10.80	10.80	10.80	10.80
INTERNATIONAL PRODUCT SUPPORT	0.00	0.00	0.00	0.00	0.00
PM USA PM PI	8.80	9.80	11.80	11.80	12.80
PROJECT NATURAL	0.80	0.60	0.70	0.70	0.70
INGREDIENTS MENTHOL					
REDUCED TAR & MICOTINE INTL	0.50	0.50	0.60	0.60	0.60
REDUCED TAR & NICOTINE INTL SELECTIVE FILTRATION	0.50	0.50	0.60	0.60	0.60
REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION HEM PACKAGING CONCEPTS PROCESS DEV STUDIES	0.50				0.60
REDUCED TAR & MICOTINE INTL SELECTIVE FILITATION MEM PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH					
REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION NEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH Mass Burn Control Pyrolysis Temp Control					
REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION NEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMMUSTION RESEARCH MASS BURN CONTROL FYTOLYSIS Temp Control FLAVORS					
REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION NEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH HASS BURN CONTROL PYTOLYSIS TEMP CONTROL FLAVORS THERMAL Flavor Release Flavor Formation Studies					
REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION NEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH Hass Burn Control Fyrolysis Temp Control FLAVORS Thermal Flavor Release Flavor Formation Studies Fragrances					
REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION NEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH Mass Burn Control Pyrolysis Temp Control FLAVORS Thermal Flavor Release Flavor Formation Studies Fragrances Volatile Flavors ARROSOLS					
REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION NEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH Mass Burn Control Pyrolysis Temp Control FLAVORS Thermal Flavor Release Flavor Formation Studies Fragrances Volatile Flavors AEROSOLS Formation Mechanisms					
REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION HEM PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH Hass Burn Control Pyrolysis Temp Control FLAVORS Thermal Flavor Release Flavor Formation Studies Fragrances Volatile Flavors AEROSOLS Formation Mechanisms Short Lived Aerosols SELECTIVE SEPARATIONS					
REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION NEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMBUSTION RESEARCH Hass Burn Control Pyrolygis Temp Control FLAVORS Thermal Flavor Release Flavor Formation Studies Fragrances Volatile Flavors AEROSOLS FORMATION HECHANISMS Short Lived Aerosols SELECTIVE SEPARATIONS Supercfitical Technology					
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REDUCED TAR & MICOTINE INTL SELECTIVE FILTRATION HEW PACKAGING CONCEPTS PROCESS DEV STUDIES COMMUNITION RESEARCH Hass Burn Control Pyrolysis Temp Control Pyrolysis Temp Control FLAVORS Thermal Flavor Release Flavor Formation Studies Fragrances Volatius Flavors AEROSOLS Formation Hechanisms Short Lived Aerosols SELECTIVE SEPARATIONS Superclitical Technology Hembrane Separation CONSUMER TESTING RESEARCH Regression Based Hod of Lik. Stochastic Discrimination Hod Cost/Benefit Eval Quant Hod of Market Dynamics CHEMICAL SEMSES Electrophysiological Stud Trigeninal Stud Odor Fanel Room Odor Panel Flav Response/ Chm Aspects Struct-Act Relationships HEAS & SEMS OF PHY & CHM CHAR Process Control Sys Biosensors COMPUTING SYSTEMS Expert Sys & Neural Net Optical Computing BASIC ARALYTICAL RESEARCH New Project 1 New Project 1 New Project 1 New Project 5	0.90	0.90	1.15	1.15	1.15